CITY OF ST. HELENS

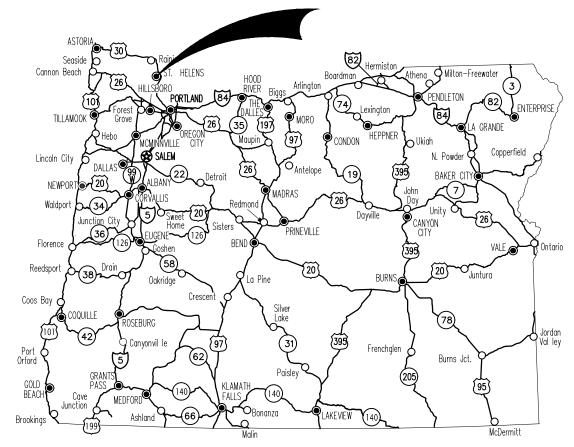
PLANS FOR PROPOSED PROJECT

GRADING, DRAINAGE, STRUCTURES, PAVING, CURB RAMPS, SIGNALS & ROADSIDE DEVLOPMENT

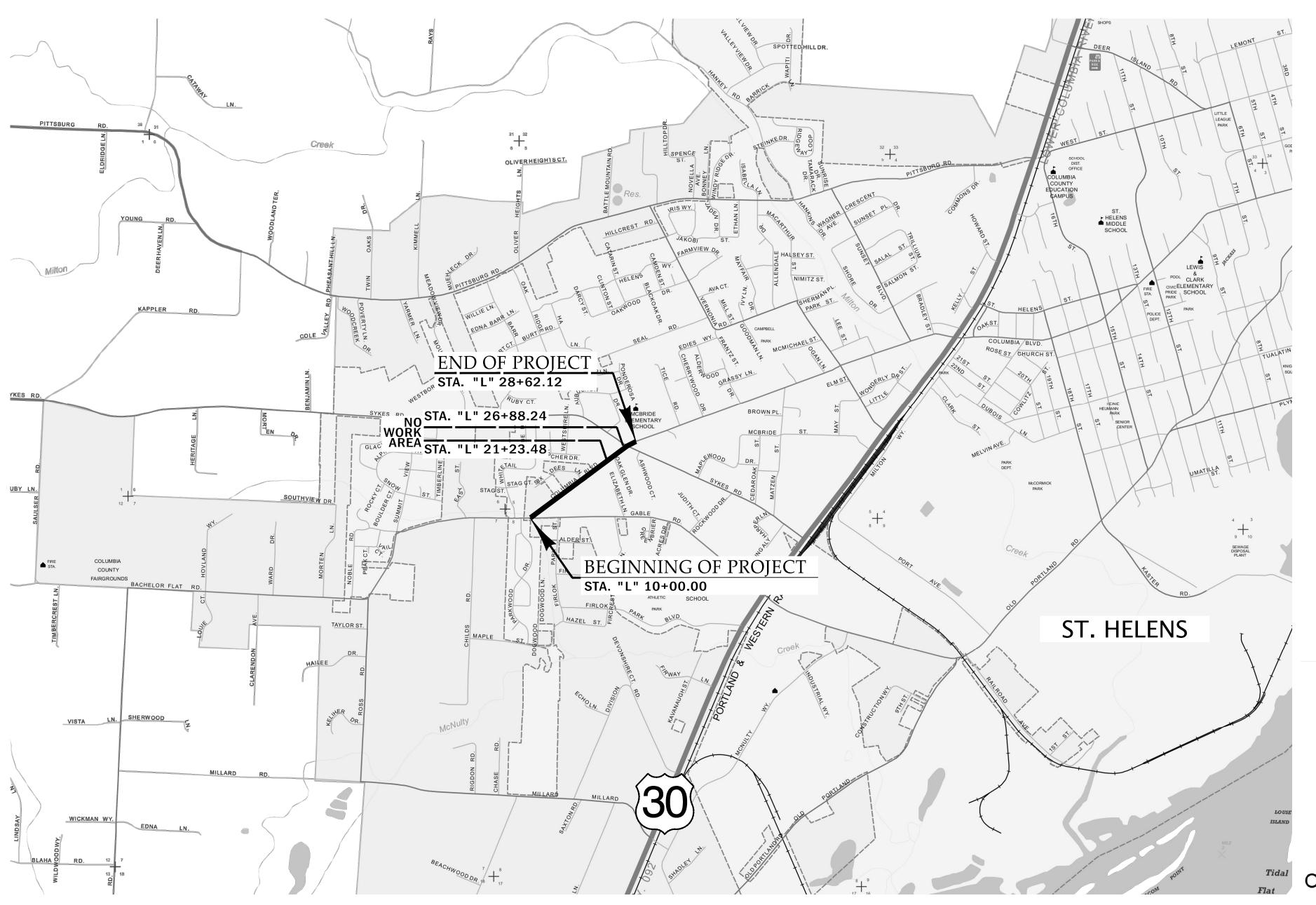
COLUMBIA BOULEVARD SIDEWALK

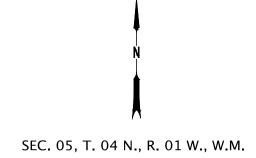
FROM GABLE RD. TO SYKES RD.

ST. HELENS, OREGON COLUMBIA COUNTY SEPTEMBER 2022



Overall Length Of Project – 0.35 Miles







VERTICAL DATUM:

ELEVATIONS ARE NAVD 88 BASED ON N.G.S. BENCH MARK PID #RD3969.

BASIS OF BEARINGS:

THE BEARINGS ARE GRID BASED ON OREGON COORDINATE SYSTEM, PORTLAND, (NAD 83 2011 EPOCH).

LOCATES (48 HOUR NOTICE PRIOR TO EXCAVATION)

OREGON LAW REQUIRES YOU TO FOLLOW THE RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-001-0010 THROUGH 952-001-0090. YOU MAY OBTAIN COPIES OF THE RULES FROM THE CENTER BY CALLING (503) 232-1987



Know what's **below. Call** before you dig.

1-800-332-2344

ONE CALL SYSTEM

PUBLIC WORKS SUPERVISOR, DAVE ELDER (503) 397-3532, MUST BE NOTIFIED 48 HOURS IN ADVANCE TO COORDINATE ANY TAPS OR WATER VALVE OPERATION. THE CONTRACTOR IS NOT ALLOWED TO OPERATE ANY WATER VALVES CONTROLLING FLOW TO NEW PIPING FROM THE CITY'S POTABLE WATER SYSTEM

PROJECT NO. R-679A

PLANS PREPARED FOR CITY OF ST. HELENS



DAVID EVANS AND ASSOCIATES, INC. 5121 Skyline Villiage Loop S., Suite 200 Salem, Oregon 97306 Ph: 503.361.8635

These plans were developed using AASHTO design standards. Exceptions to these standards, if any, have been submitted and approved by the City of St. Helens Public Works Director or their delegated authority.

PLANS PREPARED FOR CITY OF ST. HELENS

Tal Terop - 10/20/2022
Signature & date

Paul Tappana, P.E. - Project Manager Print name and title

COLUMBIA BOULEVARD SIDEWALK
SAINT HELENS, OREGON
COLUMBIA COUNTY

COVER

SHEET NO.

INDEX OF SHEETS				
SHEET NO.	DESCRIPTION			
A01	COVER			
A02	INDEX, STANDARD DRAWINGS, & ABBREVIATIONS			
BA01	TYPICAL SECTIONS			
BB01	DETAILS			
BB02	DETAILS			
C01	GENERAL CONSTRUCTION			
C02	GENERAL CONSTRUCTION			
C03	GENERAL CONSTRUCTION			
C04	DRAINAGE PROFILES			
GB01	RETAINING WALL PLAN			
GB02	RETAINING WALL PLAN & DETAILS			

DDOT Standar	d Dwg. Nos.
RD300	-Trench Backfill, Bedding, Pipe Zone and Multiple Installations
RD339	-Pipe to Structure Connections
RD360	-Manhole frame adjustment
RD363	-Gutter transition at inlet
RD376	-Miscellaneous Drainage Structures, Siphon Box, Inlet Cap & Inlet Adjustme
RD386	-Fill Height Table for Circular Concrete Pipe
2D388	-Fill Height Tables for PVC Pipe
RD700	-Curbs
RD705	-Islands
RD707	-Island Nose Treatments
RD710	-Accessible Route Islands
RD720	-Curb Line Sidewalks
RD721	-Separated Sidewalks
RD722	-Sidewalk Joints and Transition Panels
RD750	-Curb Line Sidewalk Driveways or Allwys (Options M & N) Local Jurisdictions
RD815	-Chain Link Fence
RD902	-Detectable Warning Surface Details
RD906	-Detectable Warning Surface Placement for Accessible Route Island
RD920	-Parallel Curb Ramp
D930	-Combination Curb Ramp
RD938	-Combination Curb Ramp Single Ramp
RD1010	-Inlet Protection, Type 2, 3, 6, 7, 10 and 11
RD1032	-Sediment Barrier Type 8
ГM200	-Sign Installation Details
ГМ45 <i>7</i>	-Vehicle, Pedestrian Signal and Pushbutton Mounting Option Details
ГМ467	-Pedestrian Signal Mount and Pedestrian Pushbutton Details
ГМ500	-Pavement Marking Standard Detail Blocks
ГM503	-Pavement Marking Standard Detail Blocks
ГM530	-Intersection Pavement Markings (Crosswalk, Stop Bar & Bike Lane Stencil)
ГM560	-Alignment Layout: General
TM561	-Alignment Layout: Left Turn Lane, Centerline & Medians
ГМ671	-3-Second Gust Wind Speed Map
ГМ676	-Sign Attachments
ГМ677	-Sign Mounts
ГМ681	-Perforated Steel Square Tube (PSST) Sign Support Installation
ГМ687	-Perforated Steel Square Tube (PSST) Anchor Foundation
ГМ688	-Perforated Steel Square Tube (PSST) Slip Base Foundation
TM689	-Temporary PSST Vane Anchor Installation
ГМ800	-Tables, Abrupt Edge and PCMS detail
ГM820	-Temporary Barricades
ГM821	-Temporary Sign Supports
ГM822	-Temporary Sign Supports
ГM850	-2 Lane, 2 Way Roadaways
	•

EROSION AND SEDIMENT CONTROL GENERAL NOTES

- 1. The construction, adjustment, maintenance, and upgrading of these Erosion and Sediment Control measures is the responsibility of the contractor for the duration of the project to comply with Section 00280 of the
- 2. Erosion and Sediment Control measures shown on this plan are for anticipated site conditions. Adjust or upgrade these measures for unexpected storm events to ensure that sediment and sediment-laden water
- 3. Develop a revised plan of the Erosion and Sediment Control measures shown as required by Section 00280, Oregon Standard Specifications for Construction. Implement this plan for all clearing and grading activities and in segments applicable to each staging phase. Construct in such a manner so as to ensure that sediment and sediment-laden water does not enter the roadway or drainage system, or violate applicable water
- 4. Install measures within the right-of-way unless directed otherwise.

Oregon Standard Specifications for Construction.

5. Erosion Control measures shown are limits of a "No-Work" zone in the protections zone and wetland areas. Work or site disturbance shall not occur outside erosion control limits.

GENERAL NOTES

1. Use TM671, TM681, TM689, TM800, TM820, TM821, TM822 and TM850 for traffic control during construction



EXISTING PROPOSED Easement line Property line/Right-of-Way line ——— com——— com——— Communications line —— BPL ——— BPL —— Buried power line — OPL — OPL — OPL — Overhead power line —— GAS ——— GAS —— Gas line — SAN — SAN — SAN — Sanitary sewer line — STM — STM — STM — Storm sewer line –or– culvert —— н20 —— н20 —— Water line ----- Edge of pavement - - - - - - Edge of gravel Edge of concrete Curb / Curb & gutter Edge of sidewalk ____x ___x ___x ___ ACP Removal Cleanout Manhole (As noted*) Water Manhole Junction box (As noted*) Utility pole Guy anchor Fire hydrant Inlet Beehive inlet Area drain

Communication riser

Water valve

Water meter

Tree/bush

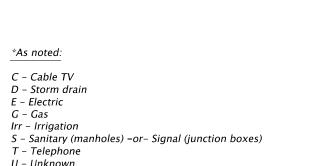
Mailbox

Gas valve

Traffic sign

Sidewalk barricade

Irrigation valve



*As noted:

C – Cable TV

E – Electric

Irr - Irrigation

T – Telephone

U – Unknown

W – Water

G – Gas

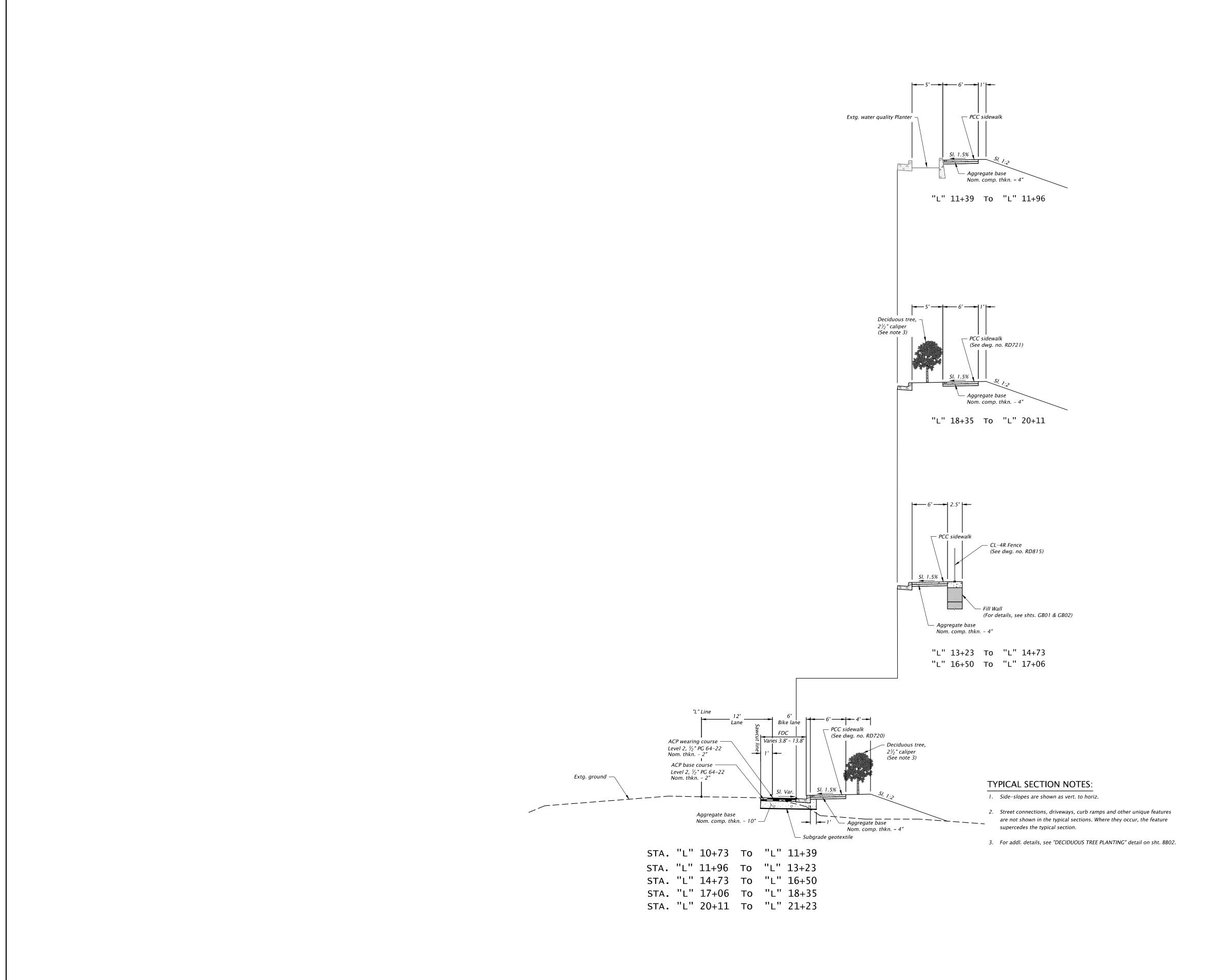
D - Storm drain

Asphalt concrete pavement addl. additional adj. appr. approach Approx. Approximate ASTM American Society for Testing and Materials CACP Commercial Asphalt Concrete Pavement CL Comp. Conc. Cont. Const. Curve Left Compacted Concrete Continued Construct CPPR Cold plane pavement removal Curve Right culvert Cubic yards Diameter Drawing Driveway Exposure (curb) Elevation Embankment fill Edge of Pavement Easement Excavation Extg. Existing Full Depth Construction Flow line galvanized include Inside Diameter Install Light Emitting Diode Linear feet Left / Right Lt. / Rt. Maximum Minimum Number(s) Nominal Outside diameter Point from tangent to circular curve PCC Portland Cement Concrete Perforated Perforated Perp. Perpendicular Point on horizontal curve Point on tangent PSST Perforated Steel Square Tube Pvmt. Pavement reinstall Reference Reqd. Required Right of Way Schedule Square feet Shldr. Stainless steel clamp Standard TCD TCM Traffic Control Devices Traffic Control Measures Traffic Control Plan Thickness TSS Temporary sign support varies

ABBREVIATIONS



COLUMBIA BOULEVARD SIDEWALK SAINT HELENS, OREGON COLUMBIA COUNTY





DAVID EVANS
AND ASSOCIATES INC.
5121 Skyline Villiage Loop S., Suite 200
Salem, Oregon 97306
Phone: 503,361,8635



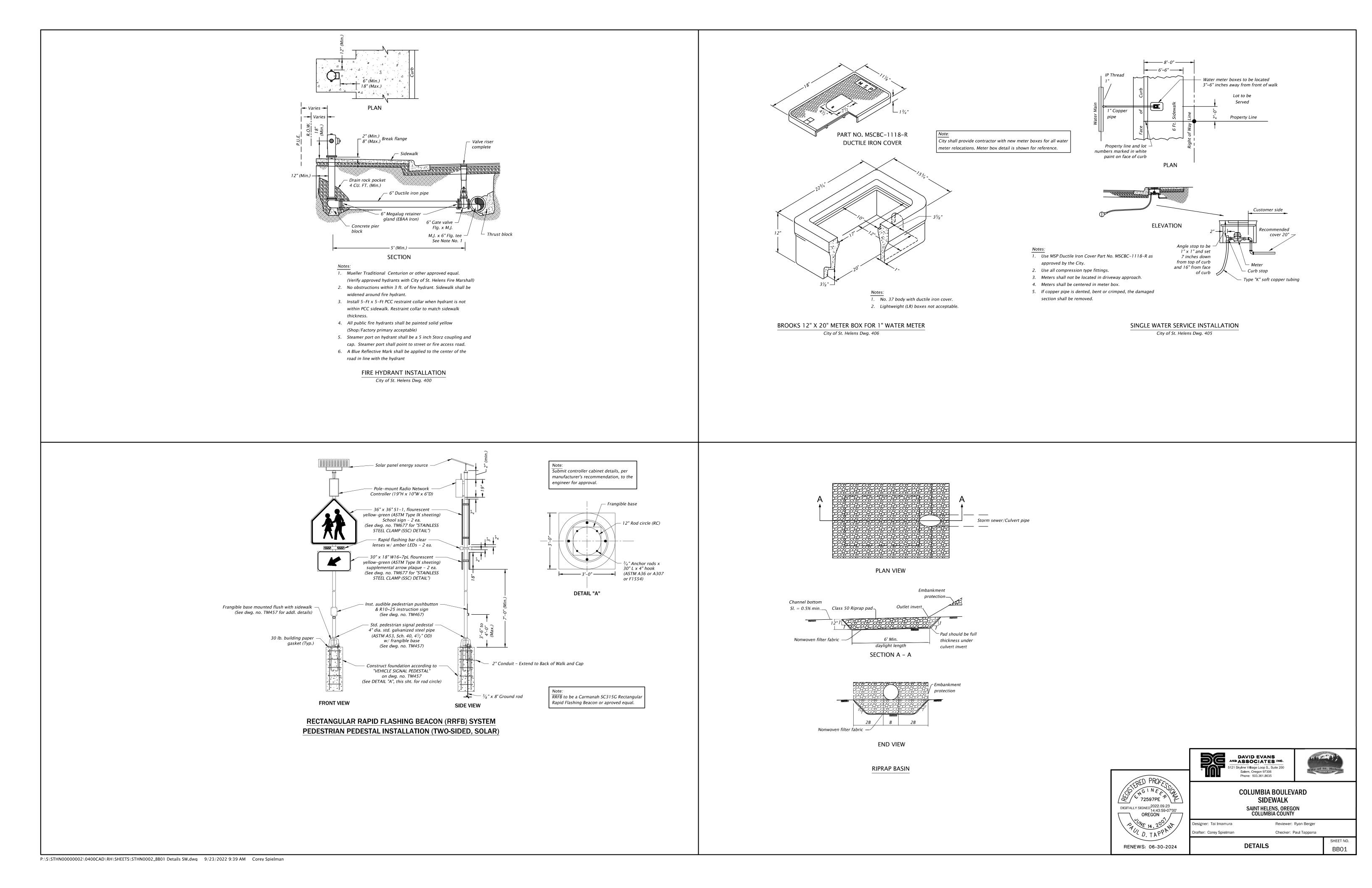
BA01

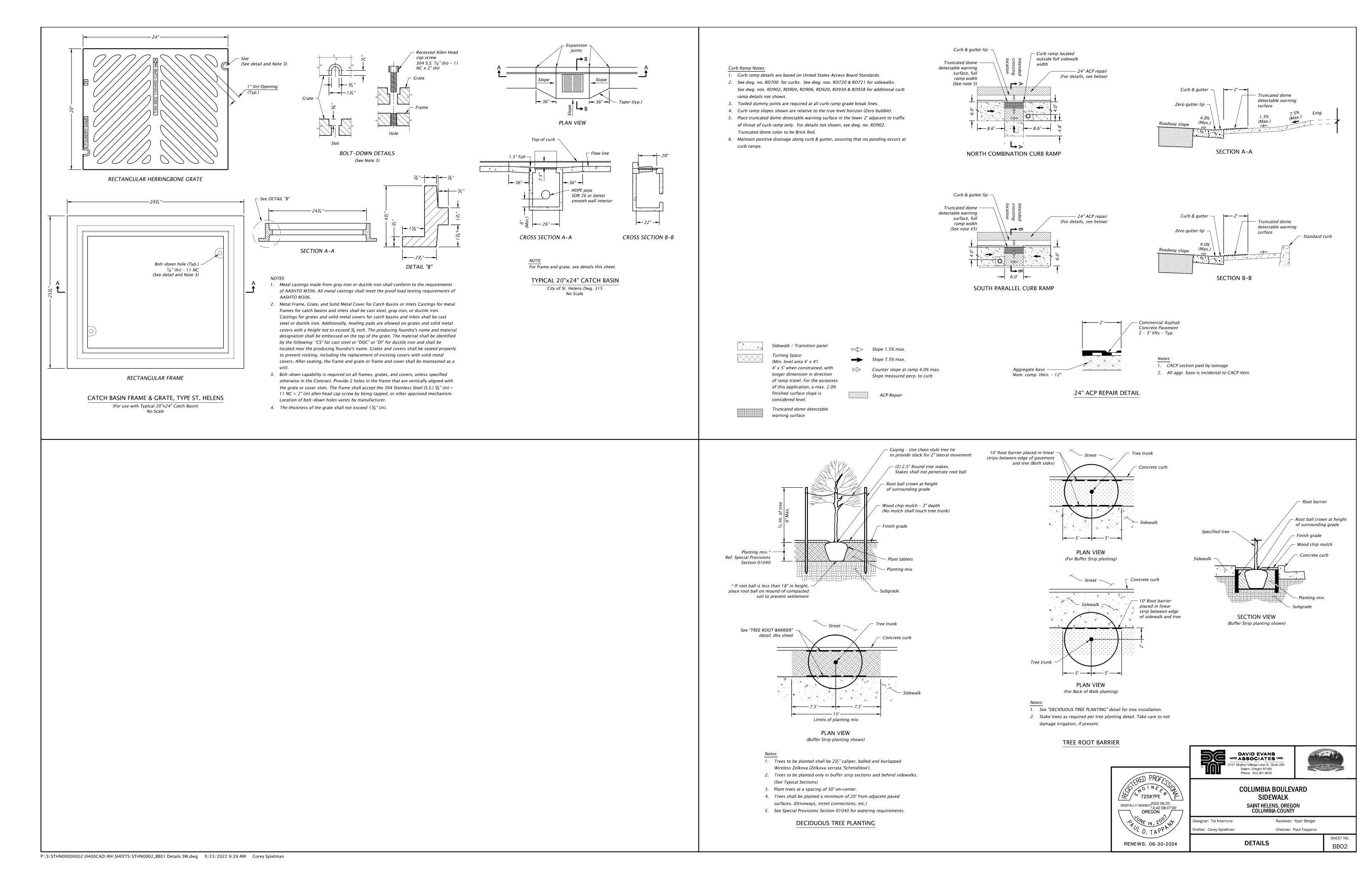
esigner: Tai Imamura rafter: Corey Spielman RENEWS: 06-30-2024

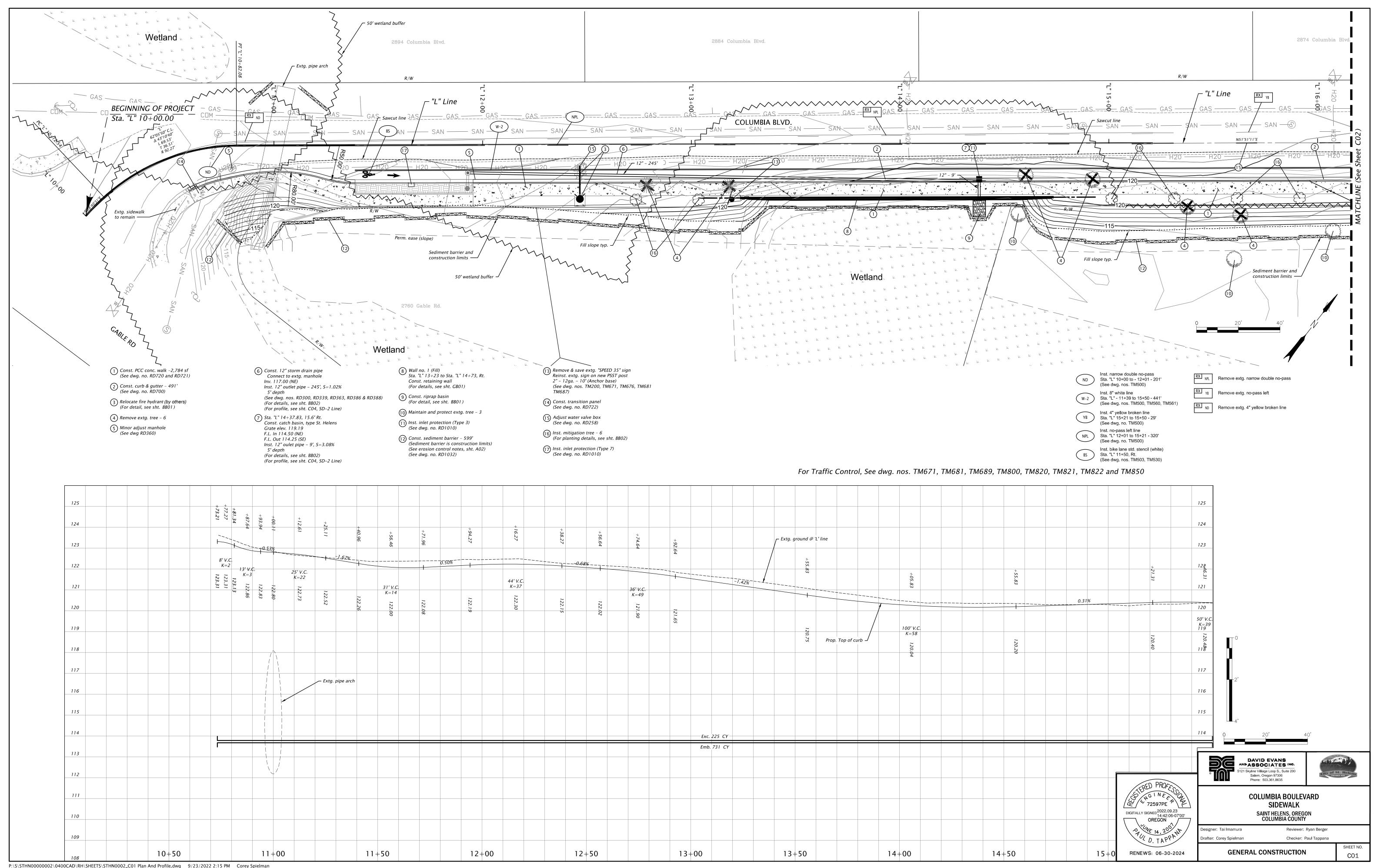
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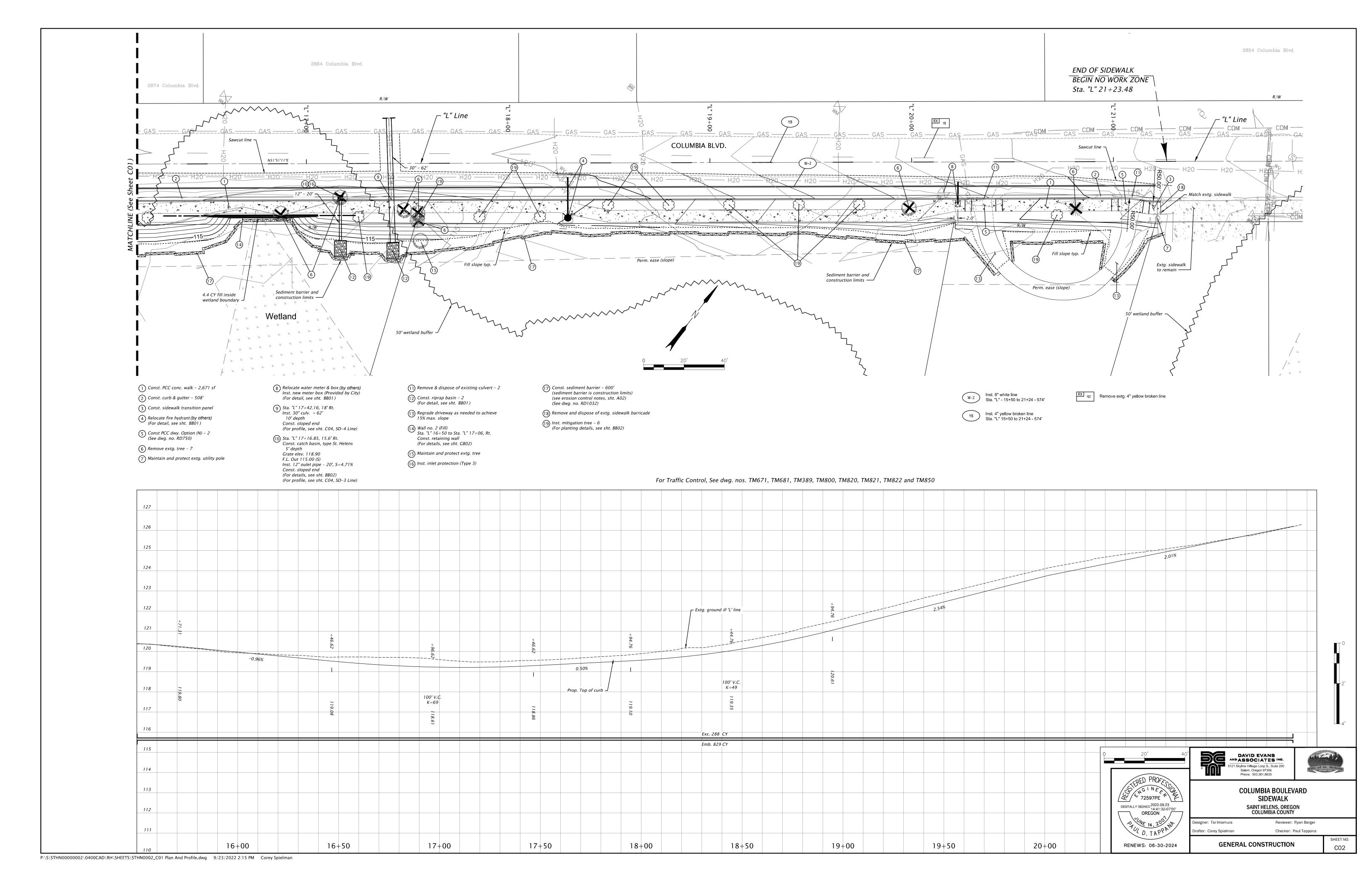
SAINT HELENS, OREGON COLUMBIA COUNTY Reviewer: Ryan Berger Checker: Paul Tappana

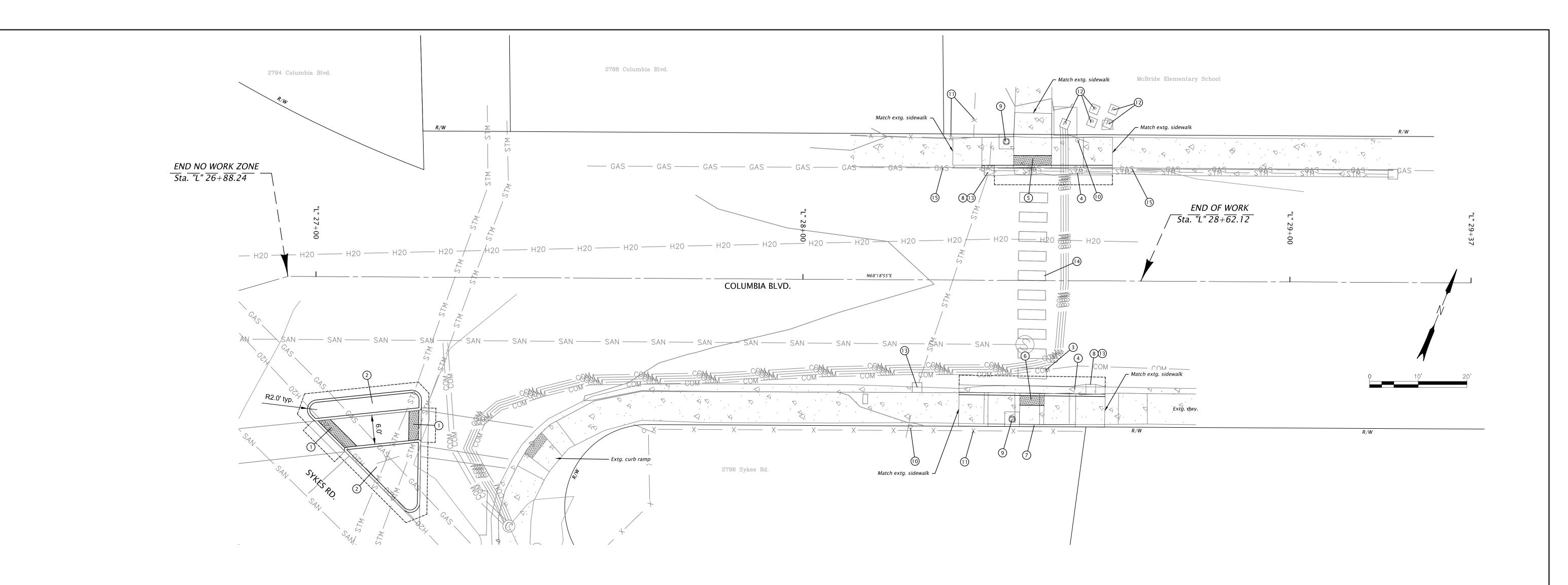
TYPICAL SECTIONS











- To be constructed by others
 Remove extg. ACP
 Const. curb & gutter with pvmt, repair
 Const. curb ramp, cut-through
 Inst. brick red truncated domes on
 new surface 28 SF
 wet set on PCC surfacing
 (For details, see sht. BB02)
 (See dwg. no. RD902 & RD906)
- 2 To be constructed by others
 Remove extg. ACP
 Const. type "A" conc. island (non-mountable) 236 SF
 Nose treatment opt. "A"
 Const ACP repair
 (See dwg. nos. RD705, RD707 & RD710)
- (3) Repair crosswalk bar (See dwg. no. TM503)
- (4) Remove extg. curb & gutter Const. curb and gutter with pvmt. repair (For Details, see sht. BB02)
- (5) Remove sidewalk
 Const. curb ramp, combination (CC-12)
 Inst. brick red truncated domes on
 new surface 10 sq. ft.
 Wet set on PCC surfacing
 (For details, see sht. BB02)
- 6 Remove sidewalk
 Const. curb ramp, parallel (PL-1)
 Inst. brick red truncated domes on
 new surface 10 sq. ft.
 Wet set on PCC surfacing
 (For details, see sht. BB02)
- 7) Const. std. curb 21' (See dwg. no. RD700)
- 8 Adjust inlet 2 (See dwg. no. RD736)
- (9) Inst. rectangular rapid flashing beacon (RRFB) 2 two sided, solar (For details, see sht. BB01)
- (10) Remove extg. school crossing sign & post 2
- (1) Maintain and protect extg. wood fence 2
- (12) Maintain & protect extg. elec. equipment 5
- 13) Inst. inlet protection (Type 3) 3
- (4) Maintain & protect extg. continental crosswalk
 (15) Maintain & protect extg. natural gas main

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RENEWS: 06-30-2024

DAVID EVANS
ANPASSOCIATES INC.
5121 Skyline Villiage Loop S., Suite 200
Salem, Oregon 97306
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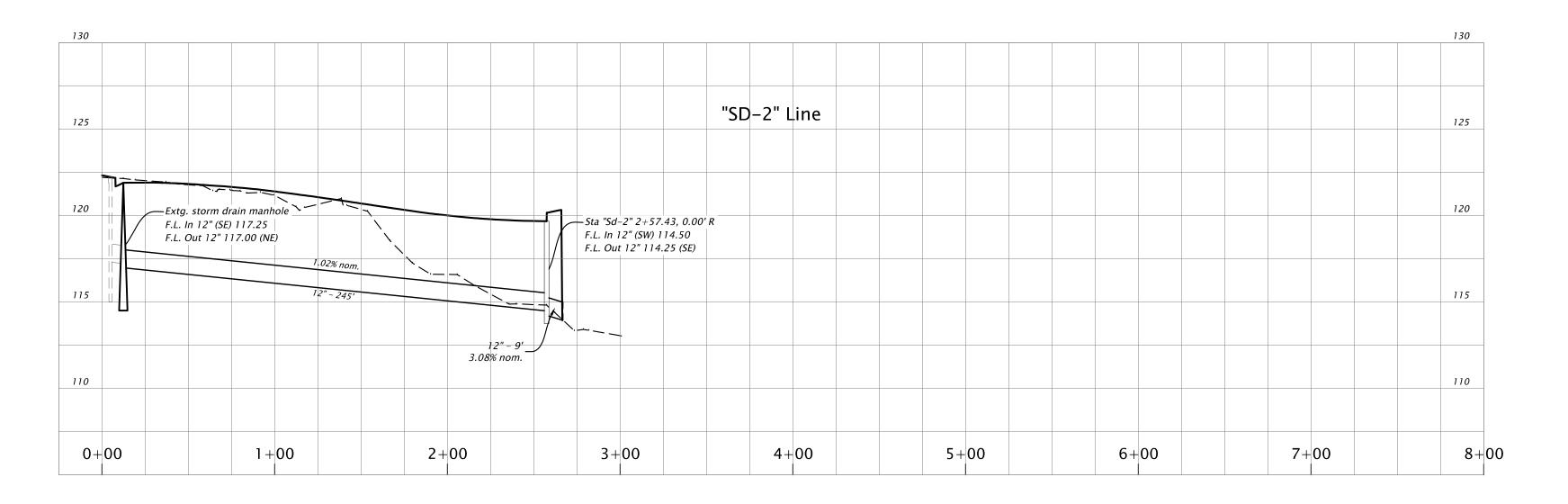
COLUMBIA BOULEVARD SIDEWALK SAINT HELENS, OREGON COLUMBIA COUNTY

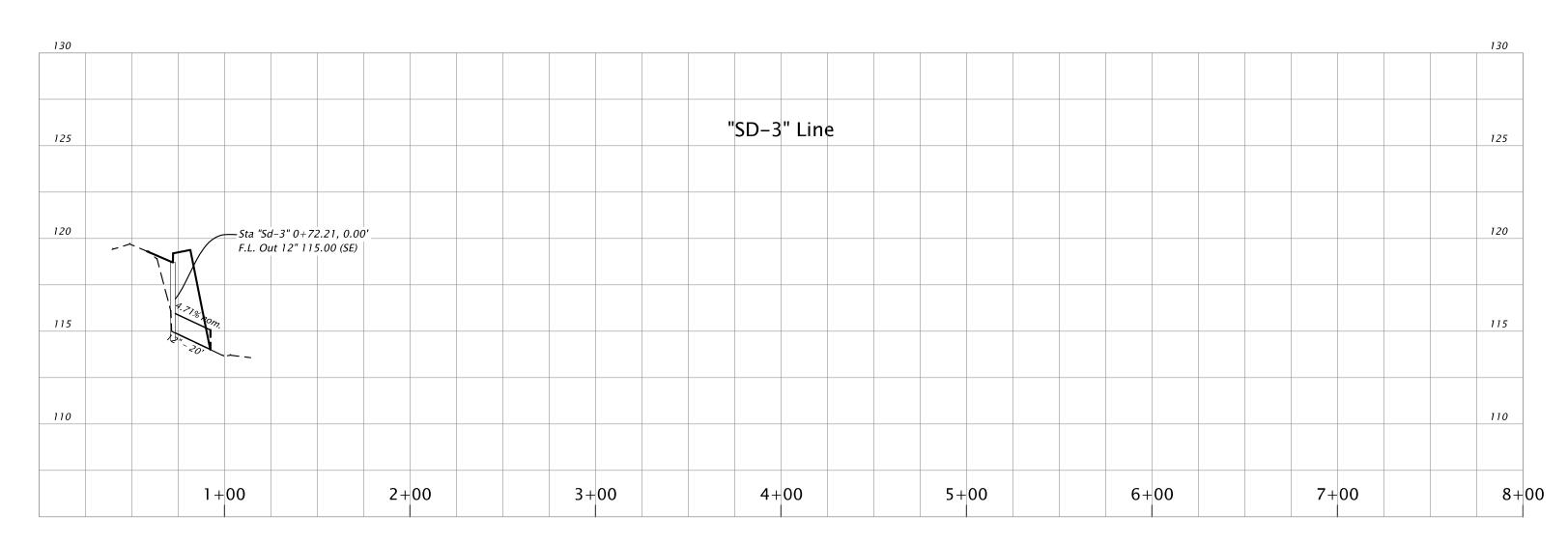
C03

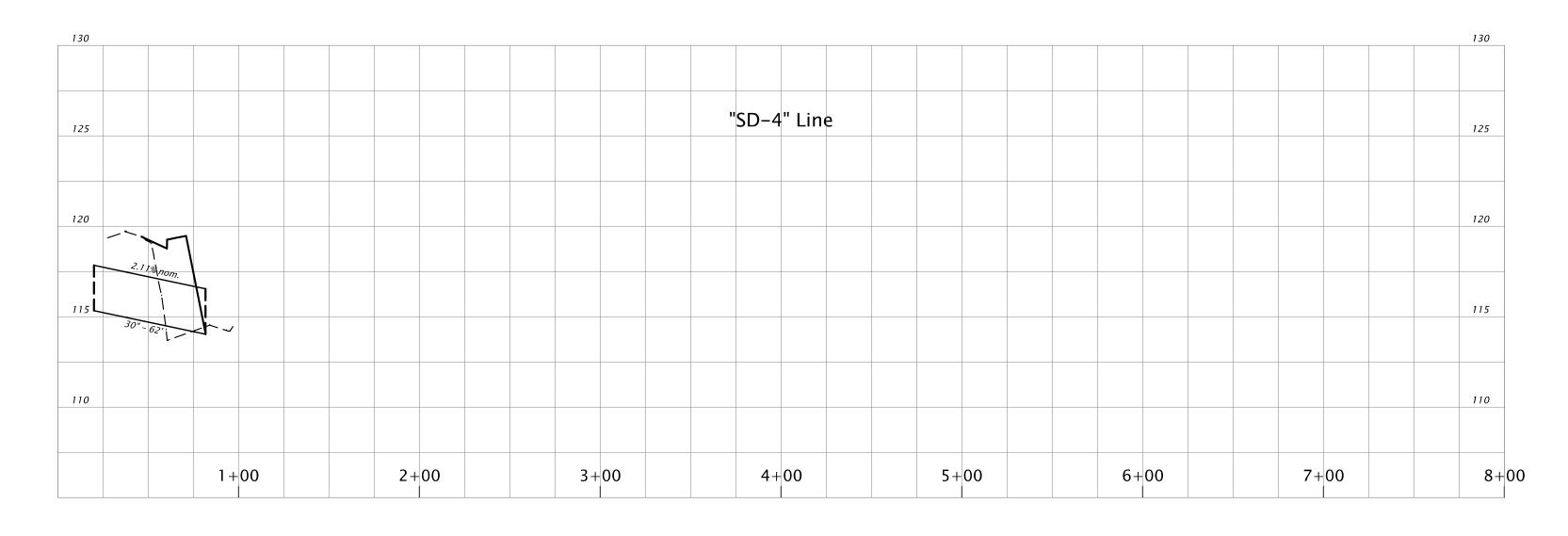
esigner: Tai Imamura Reviewer: Ryan Berger
rafter: Corey Spielman Checker: Paul Tappana

NEWS: 06-30-2024

GENERAL CONSTRUCTION











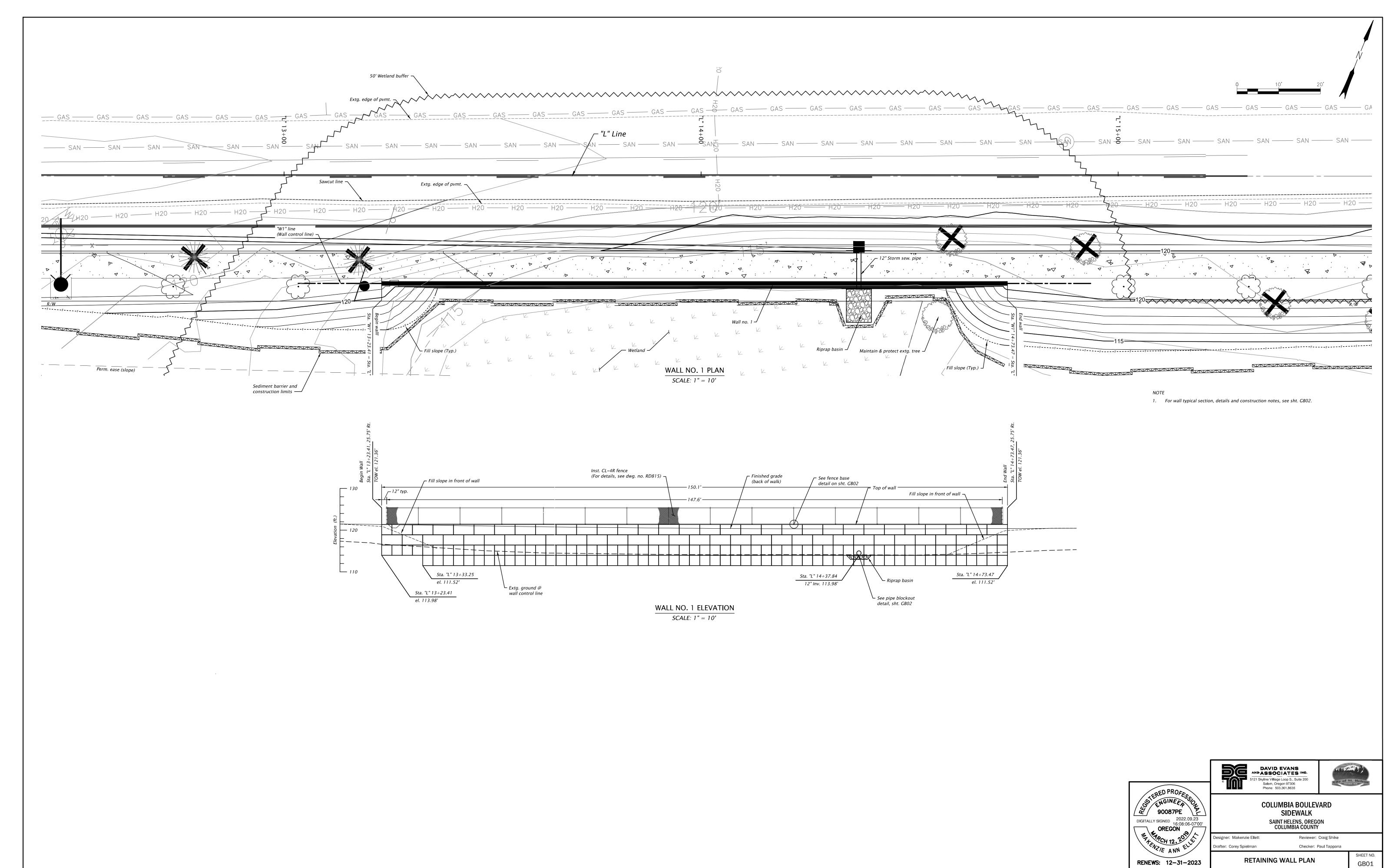
COLUMBIA BOULEVARD SIDEWALK SAINT HELENS, OREGON COLUMBIA COUNTY

SHEET NO.

Designer: Tai Imamura Reviewer: Ryan Berger

Drafter: Corey Spielman Checker: Paul Tappana

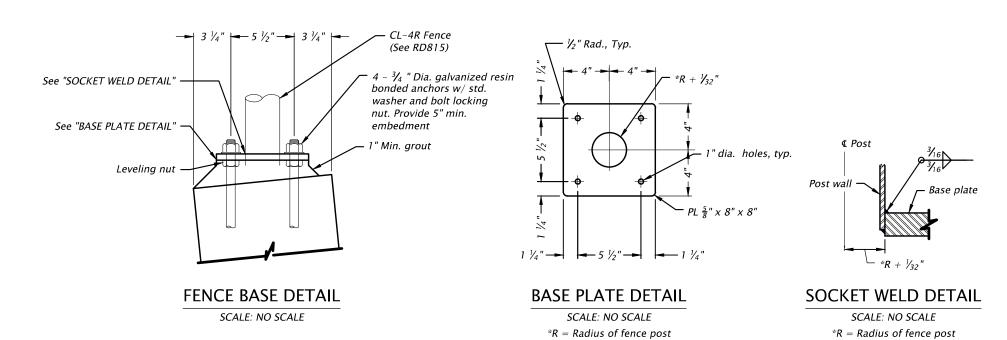
DRAINAGE PROFILES



GENERAL NOTES

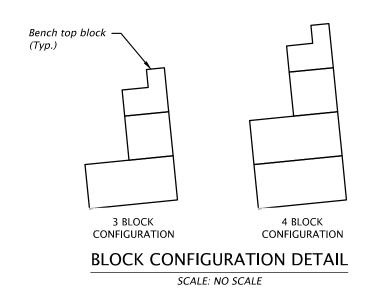
1. Provide all Materials and perform all work according to the 2021 Oregon Standard Specifications for Construction, as supplemented by the Special Provisions.

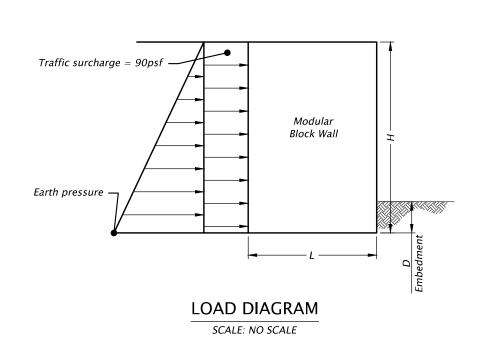
- 2. The contractor is solely responsible for all excavation procedures including lagging, shoring and protection of adjacent property, structures, streets and utilities in accordance with all national, state and local safety ordinances.
- 3. Drawings indicate general and typical details of construction. Where conditions are not specifically indicated, but are of similar characters to details shown, use similar details of construction, subject to review by the engineer.
- 4. Select a high-strength resin-bonded anchor product from the ODOT Qualified
- 5. Provide ASTM A36 hot dip galvanized anchor plates.
- 6. Provide grade 36 anchors.

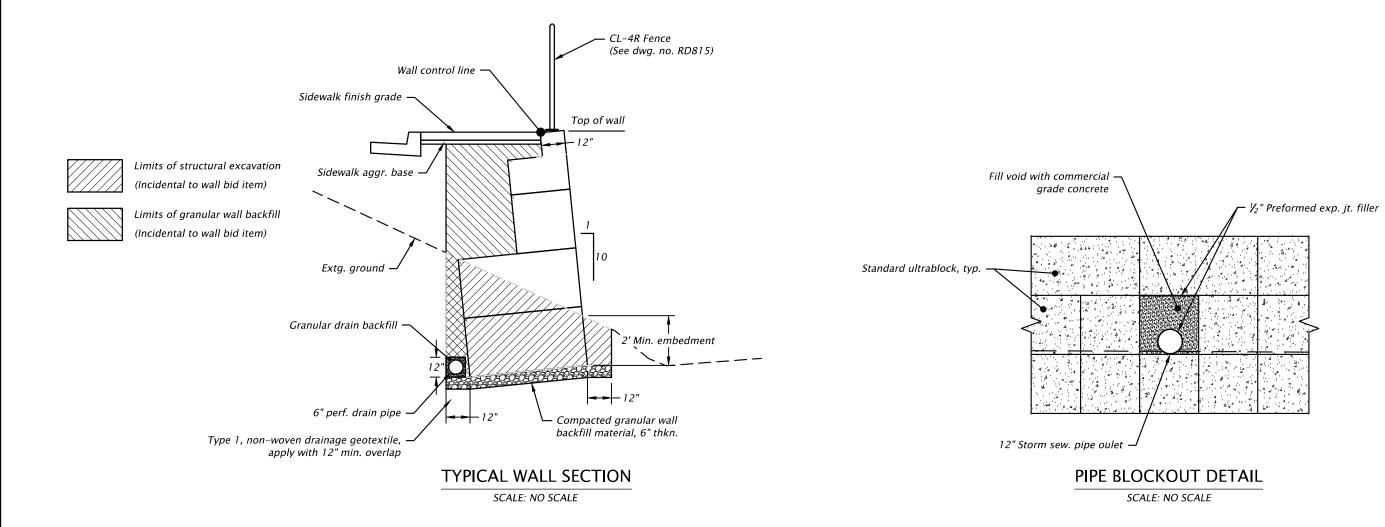


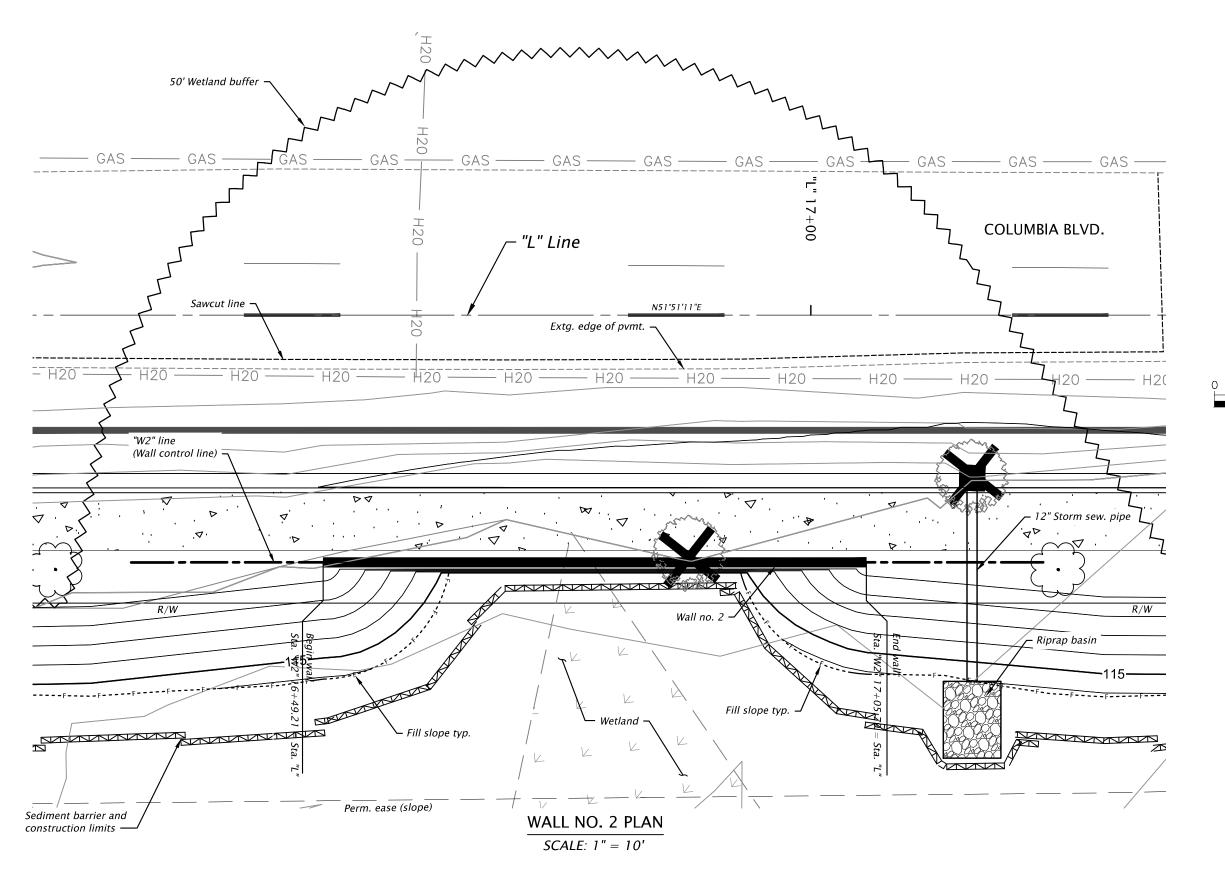
Prefabricated Modular Block walls are designed for the following soil property Values:

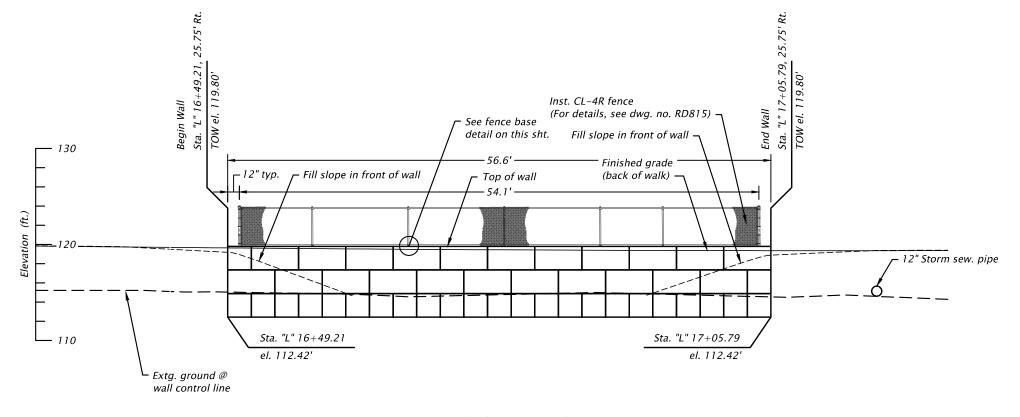
	Density pcf	Angle of Internal Friction	C psf
Granular Wall Backfill	125	34	0











WALL NO. 2 ELEVATION SCALE: 1" = 10'







COLUMBIA BOULEVARD SIDEWALK SAINT HELENS, OREGON COLUMBIA COUNTY

after: Corey Spielman RETAINING WALL PLAN & DETAILS